

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| Applicant: | Brian T. Chait et al. | Confirmation No.: | 9114 |
| Application No.: | 10/825,568 | Art Unit: | 1654 |
| Filed: | April 14, 2004 | Examiner: | M. A. Audet |
| Title: | ULTRA-SENSITIVE DETECTION SYSTEMS | | |

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT IN RESPONSE TO NON-FINAL OFFICE ACTION

Dear Sir:

INTRODUCTORY COMMENTS

In response to the Office Action dated February 1, 2008, please amend the above-identified U.S. patent application as follows:

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 9 of this paper.

Conclusion begins on page 11 of this paper.

A Terminal Disclaimer and a Petition for a one-month extension of time are submitted herewith.